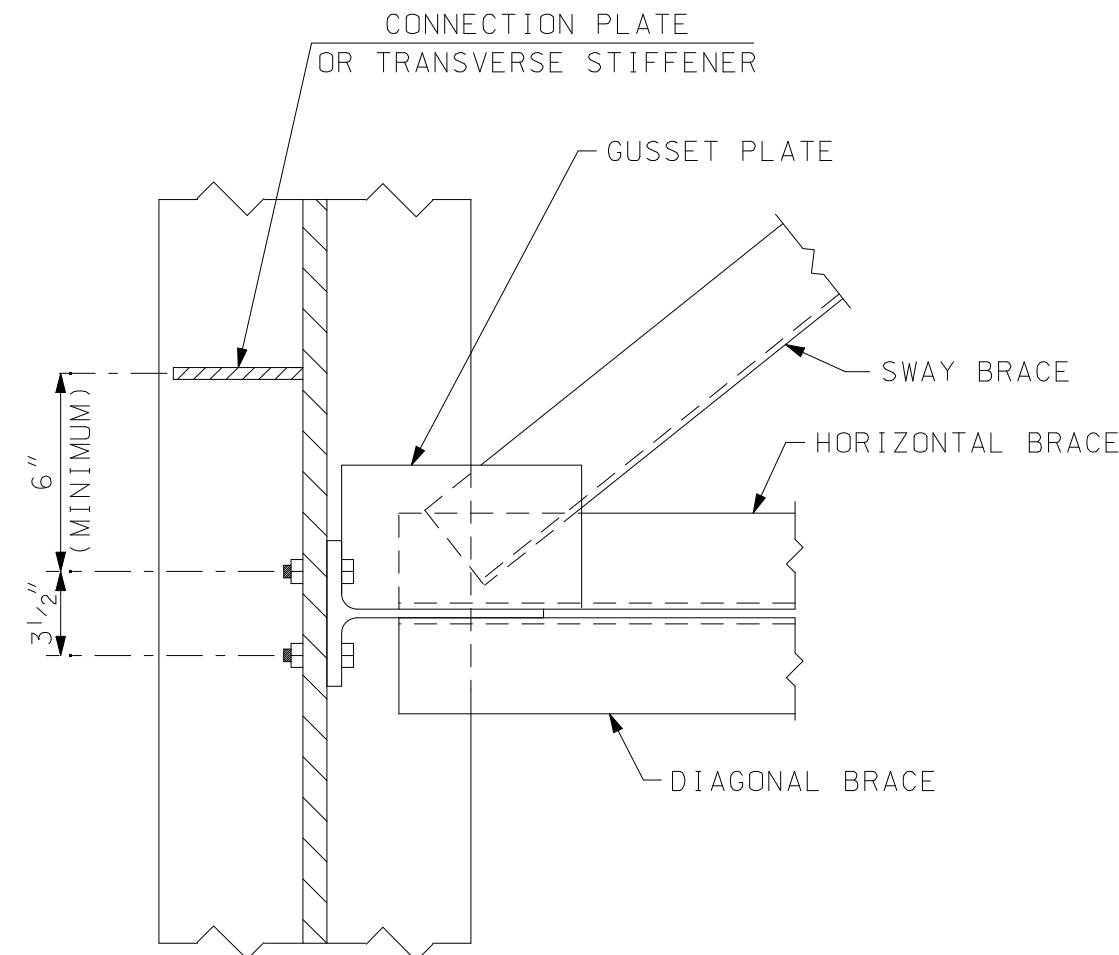
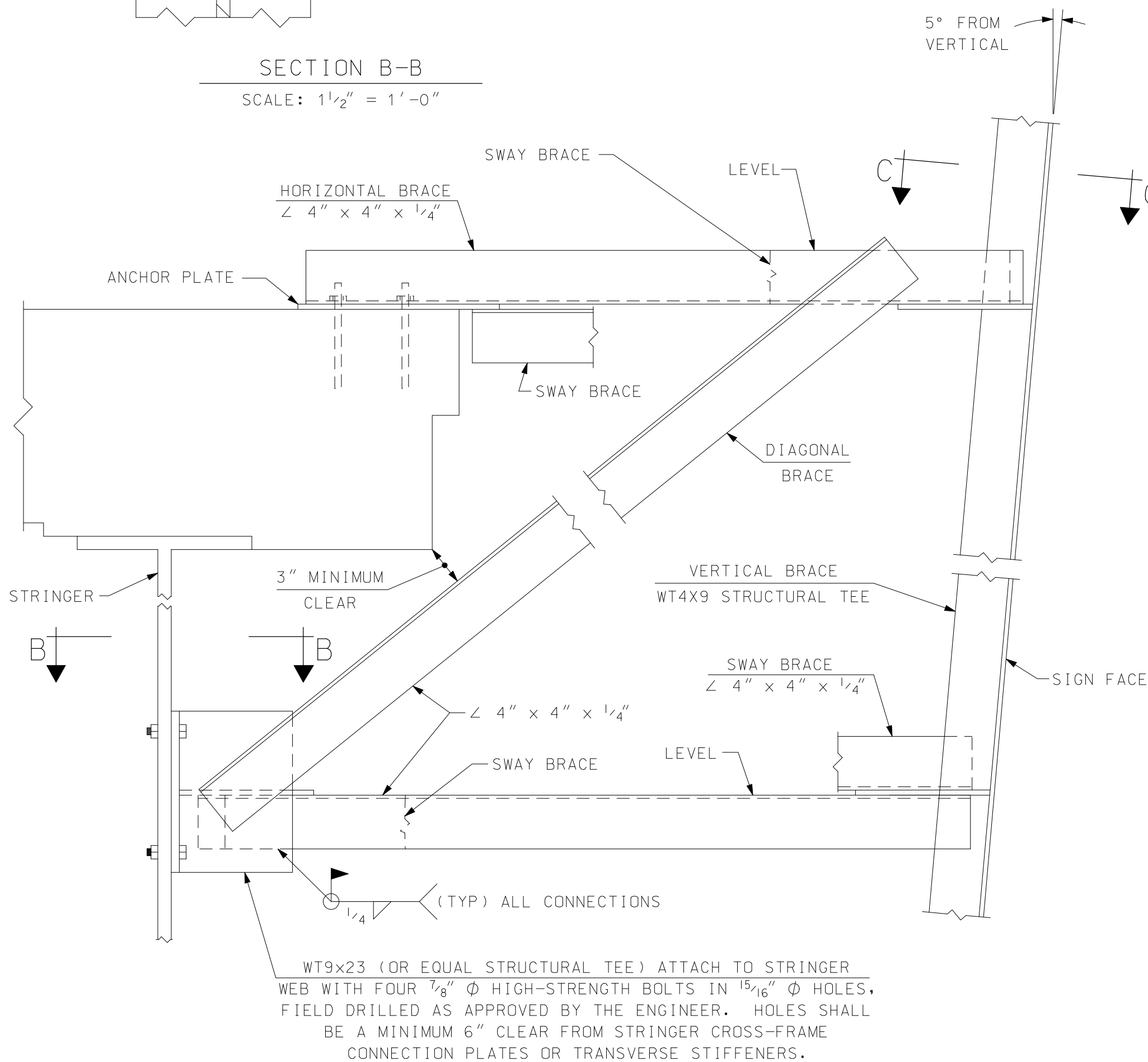


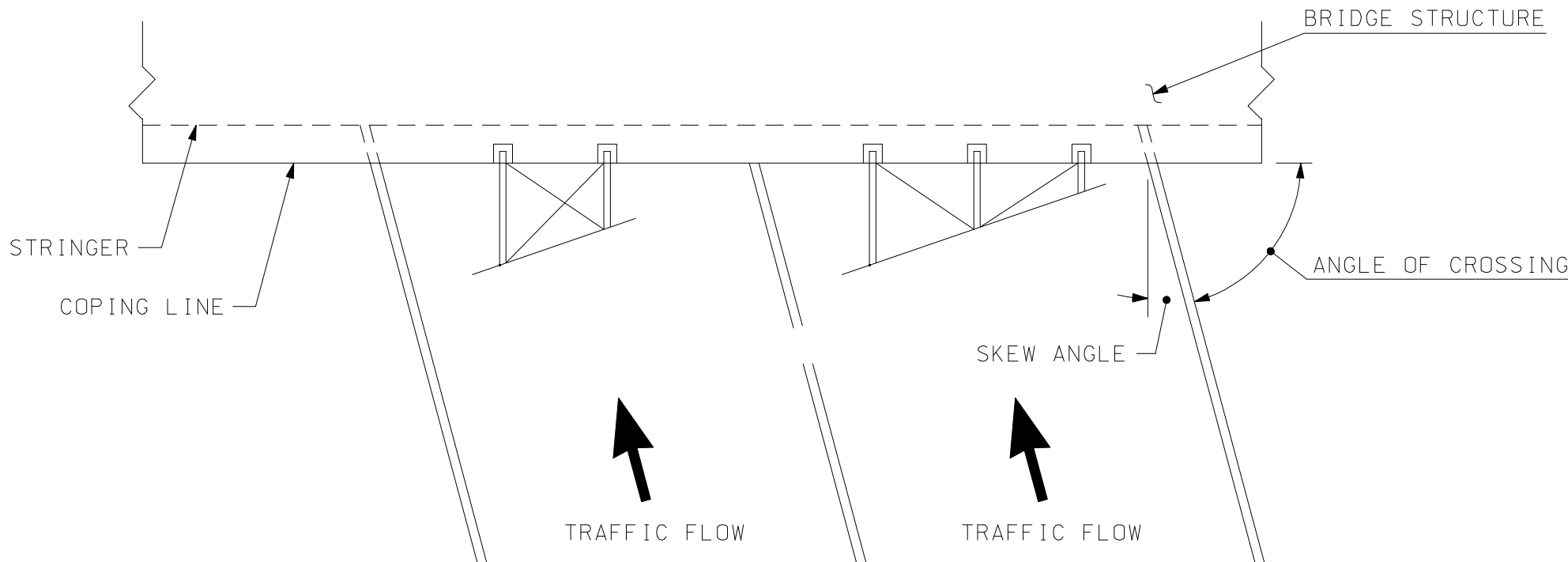
SECTION C-C
SCALE: 1 1/2" = 1'-0"



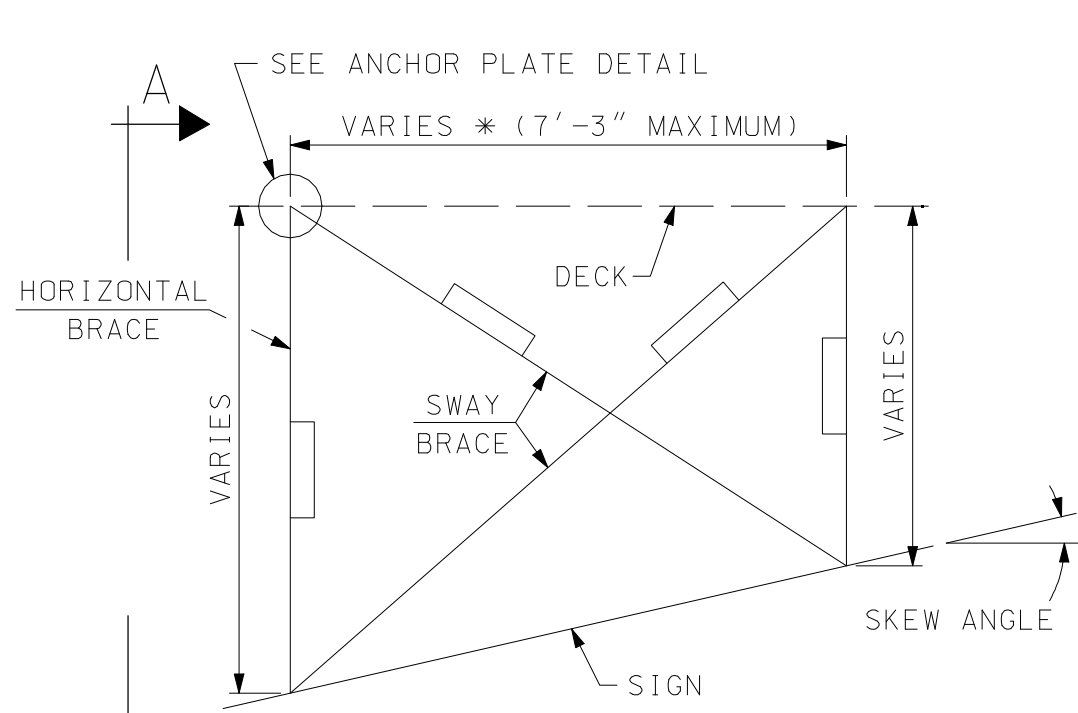
SECTION B-B
SCALE: 1 1/2" = 1'-0"



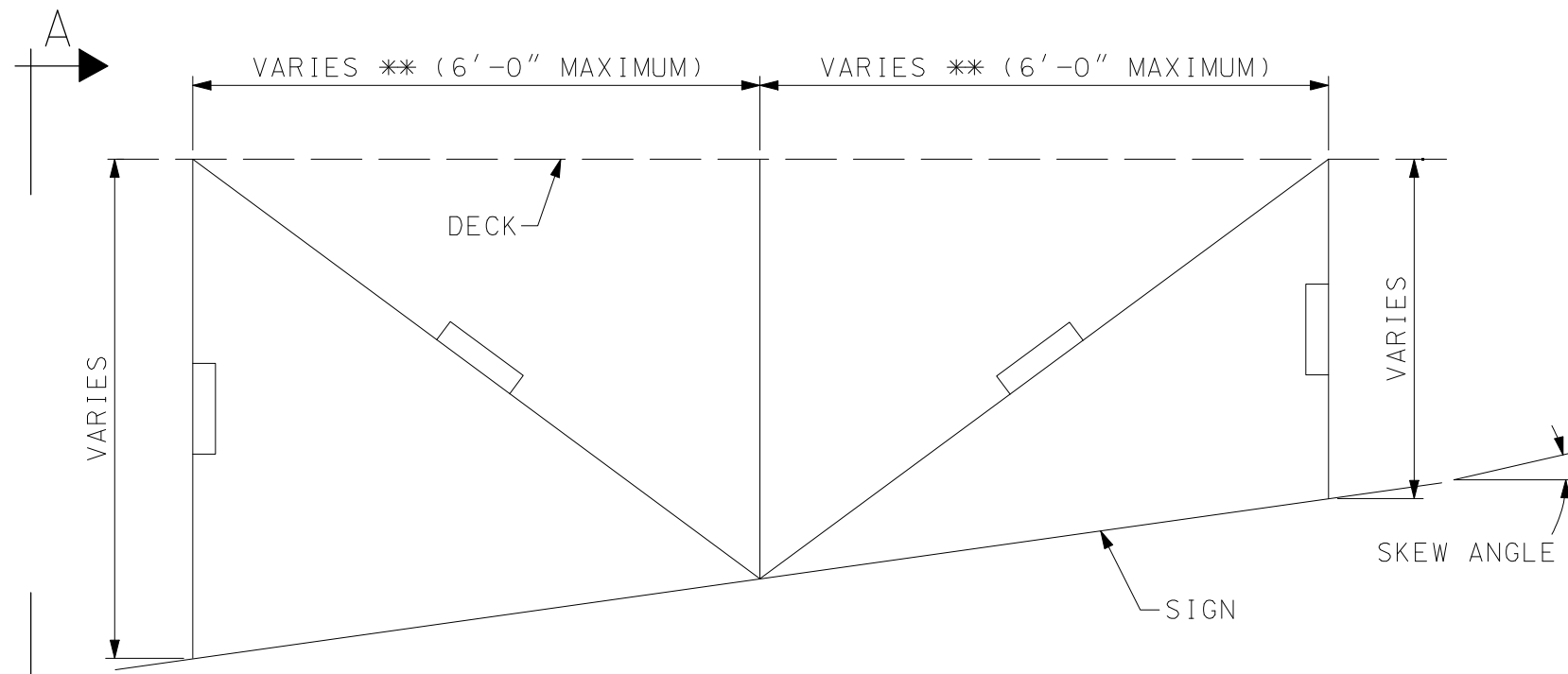
VIEW A-A
SCALE: 1 1/2" = 1'-0"



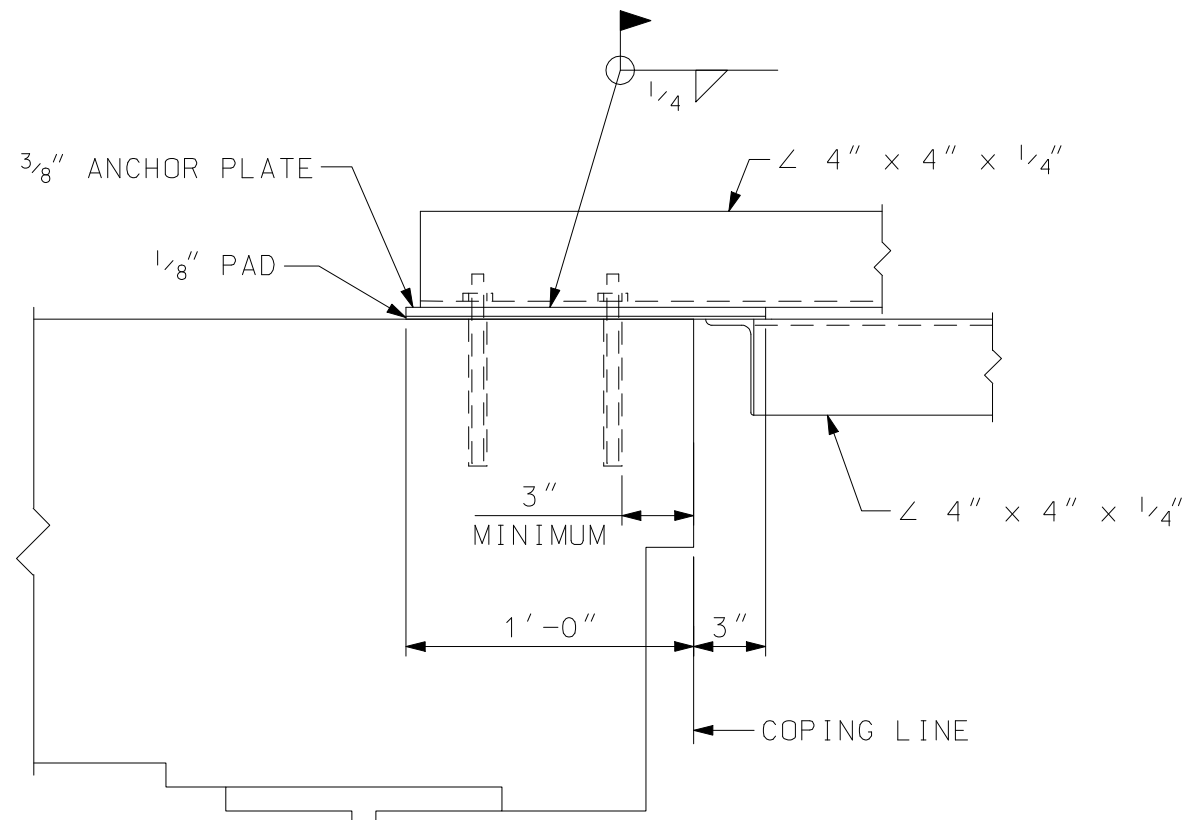
PLAN VIEW
NOT TO SCALE



TOP VIEW (2 SUPPORT SYSTEM)
NOT TO SCALE



TOP VIEW (3 SUPPORT SYSTEM)
NOT TO SCALE



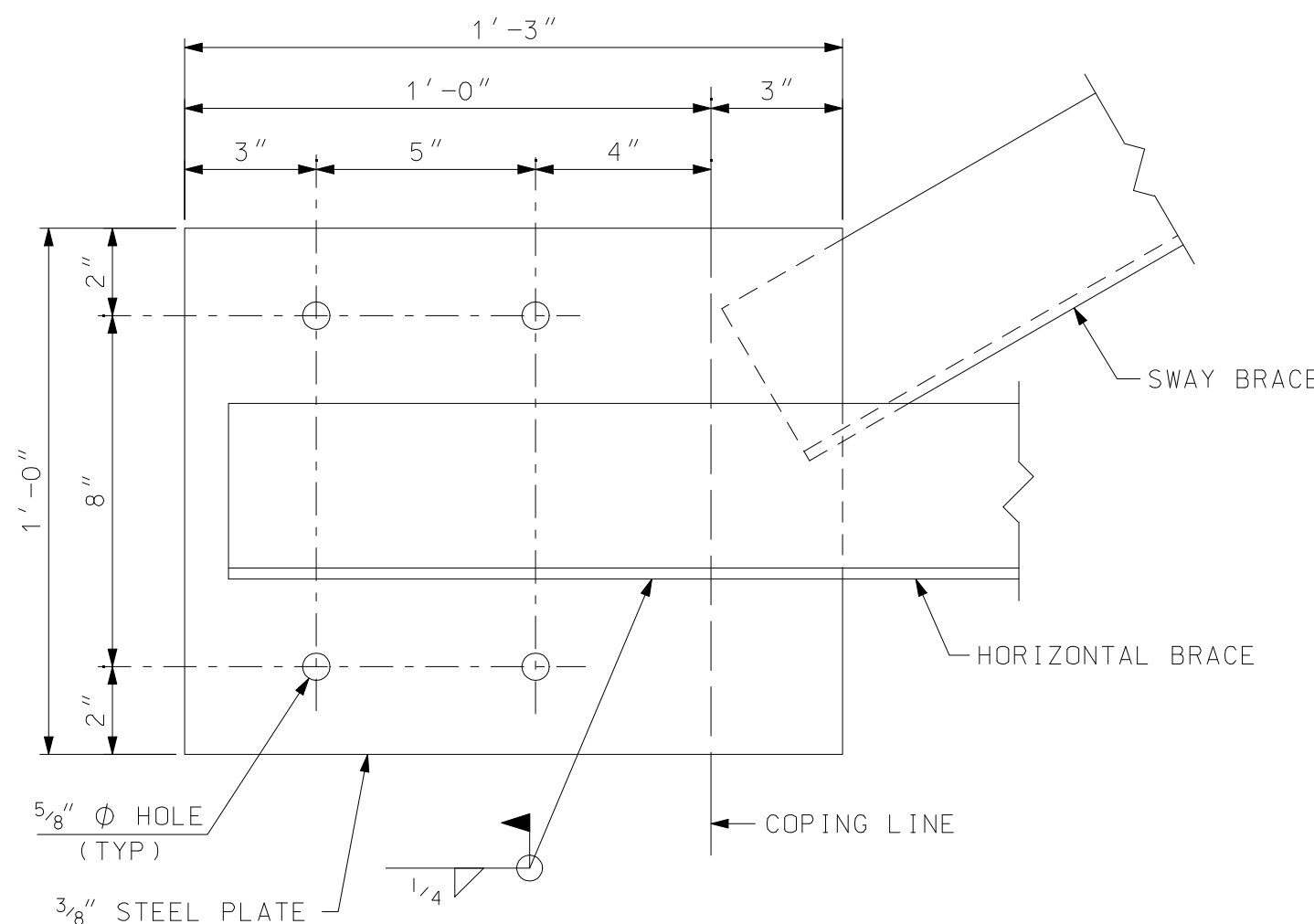
ANCHOR PLATE ELEVATION
SCALE: 1 1/2" = 1'-0"

SUPPORT SYSTEM NOTES

- * (1) DISTANCE BETWEEN HORIZONTAL MEMBERS SHALL BE 60% OF SIGN WIDTH ON CENTER FOR SIGNS WITH WIDTHS ≤ 12'-0" (TWO SUPPORT SYSTEM).
- ** (2) DISTANCE BETWEEN HORIZONTAL MEMBERS SHALL BE ONE-THIRD OF SIGN WIDTH ON CENTER FOR SIGN WIDTHS 12'-0" TO 18'-0" (THREE SUPPORT SYSTEM).
- (3) DIAGONAL SWAY MEMBERS SHALL BE ∠ 4" x 4" x 1/4" AND SHALL BE ERECTED TWO TOP AND TWO BOTTOM.
- (4) THE 4" x 4" x 1/4" MEMBERS ARE DESIGNED FOR A SIGN 15' HIGH x 18' WIDE WITH A MAXIMUM SKEW ANGLE OF 40°. ANY SIGN WITH A GREATER HEIGHT OR SKEW ANGLE WILL REQUIRE A REDESIGN OF MEMBERS BY THE CONTRACTOR, TO BE APPROVED BY THE ENGINEER.
- (5) LENGTHS OF HORIZONTAL MEMBERS VARY TO PROVIDE BRIDGE CLEARANCE AND TO ACCOMMODATE SKEW ANGLE.
- (6) THE FACE OF ALL STRUCTURAL TEES SHALL LIE IN THE SAME PLANE.
- (7) SIGNS SHALL BE CENTERED WITHIN TRAVEL LANES, OR AS APPROVED.

GENERAL NOTES

- (1) ALL STRUCTURAL STEEL SHALL BE AASHTO DESIGNATION M270 GRADE 50W (ASTM A709 GRADE 50W), UNPAINTED OR AASHTO M270 GRADE 36 (ASTM A709 GRADE 36) GALVANIZED, CONTRACTOR'S OPTION.
- (2) THE CONTRACTOR SHALL TAKE ALL MEASUREMENTS NECESSARY TO INSURE THE PROPER ATTACHMENT OF THE PROPOSED SIGN TO THE BRIDGE STRUCTURE.
- (3) NO PART OF SIGN STRUCTURE SHALL PROJECT BELOW THE BOTTOM FLANGE OF BRIDGE GIRDER OR REDUCE THE STRUCTURE'S VERTICAL CLEARANCE.
- (4) THE LOCATION OF THE PROPOSED SIGN ON THE BRIDGE STRUCTURE SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.
- (5) ALL BOLTS AND RELATED HARDWARE SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M164 (ASTM A325) TYPE 1 (OR TYPE 3 FOR WEATHERING STEEL MATCH).
- (6) ALL WORK AND MATERIALS ON THIS SHEET SHALL BE PAID UNDER ITEM 615.30001. EXISTING SIGN BRACKETS SHALL BE REMOVED AS PART OF ITEM 502.
- (7) THE SUPPORT BRACING SHALL BE DETAILED TO PROVIDE A LEVEL SIGN POSITION, REGARDLESS OF THE GRADE OF THE BRIDGE STRUCTURE. THE DESIGN AND DETAILS OF THE BRACING SHALL PROVIDE PRACTICAL SPACE FOR PAINTING (IF REQUIRED) AND INSPECTION OF THE BEAMS.
- (8) PREFORMED ELASTOMERIC BEARING PADS (1/8" THICK) SHALL CONFORM TO AASHTO M251.
- (9) THE NEW SIGN(S) SHALL BE AS SHOWN ELSEWHERE IN THE PLANS.



ANCHOR PLATE DETAIL
SCALE: 3" = 1'-0"

ANCHOR PLATE NOTES

- (1a) 1/2" diameter HIGH STRENGTH GALVANIZED EXPANSION BOLT 7" LONG (1 1/2" ABOVE TOP OF CONCRETE) WITH STANDARD GALVANIZED NUT AND WASHER IN DRILLED HOLE. THE HOLE SHALL BE FILLED WITH HIGH STRENGTH NON-SHRINK GROUT AFTER THE EXPANSION BOLT IS ANCHORED (TYPICAL).
- (1b) (ALTERNATE) 1/2" diameter HIGH STRENGTH GALVANIZED BOLTS SET IN PLACE BEFORE PLACEMENT OF CONCRETE.
- (2) BRIDGE-MOUNTED SIGNS SHALL HAVE A MINIMUM OF TWO ANCHOR PLATES, WITH AT LEAST ONE PLATE LOCATED BETWEEN ADJACENT RAIL POSTS.

STATE OF NEW HAMPSHIRE									
DEPARTMENT OF TRANSPORTATION * BUREAU OF BRIDGE DESIGN									
TOWN		BRIDGE NO.				STATE PROJECT			
LOCATION									
TYPICAL BRIDGE-MOUNTED SIGN BRACKETS								BRIDGE SHEET	
REVISIONS AFTER PROPOSAL		BY		DATE		BY		DATE	
		DESIGNED		NHDOT		CHECKED		MWR/SCL	
		DRAWN		PJP		CHECKED		ABH	
		QUANTITIES				CHECKED			
		ISSUE DATE		1/90		FEDERAL PROJECT NO.		SHEET NO.	
		REV. DATE		12/06					
								FILE NUMBER	
								TOTAL SHEETS	